

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeff Melcher on 10/21/2010.

Claims 1, 8-10, 15-30, 32, 37, 38, 41, 59, 65 are cancelled.

Claims 2-7, 11-14, 31, 33-36, 39, 40, 42-58, 60-64, 66 are allowed.

The application has been amended as follows:

In the Claims:

31. (Currently amended) A method of enhancing the intrinsic enzymatic activity of an enzyme formed from fermentation comprising:

(a) diluting an enzyme solution comprising glucoamylase with an aqueous solution by a factor of at least three to provide a diluted enzyme solution;

(b) if the enzyme solution contains cells, filtering the diluted enzyme solution to remove the cells;

(c) treating the diluted enzyme solution with activated carbon at an effective raw enzyme weight to activated carbon weight ratio of not greater than ~~50:1~~ 25:1 and for a sufficient period of time to effect said enhancement; and

(d) removing the activated carbon to provide an enzyme solution of enhanced activity.

32. (Cancel)

42. (Currently amended) An enzyme solution having enhanced activity made by a method comprising:

- (a) diluting an enzyme solution comprising at least one of glucoamylase or amylase with an aqueous solution by a factor of at least three to provide a diluted enzyme solution;
- (b) if the enzyme solution contains cells, filtering the diluted enzyme solution to remove the cells;
- (c) treating the diluted enzyme solution with activated carbon at an effective raw enzyme weight to activated carbon weight ratio of not greater than ~~50:4~~ 25:1 and for a sufficient period of time to effect said enhancement; and
- (d) removing the activated carbon to provide an enzyme solution of enhanced activity.

46. (Currently amended) A method of enhancing the intrinsic enzymatic activity of an enzyme formed from fermentation comprising:

- (a) diluting an enzyme solution comprising amylase with an aqueous solution by a factor of at least three to provide a diluted enzyme solution;

- (b) if the enzyme solution contains cells, filtering the diluted enzyme solution to remove the cells;
- (c) treating the diluted enzyme solution with activated carbon at an effective raw enzyme weight to activated carbon weight ratio of not greater than ~~50:1~~ 25:1 and for a sufficient period of time to effect said enhancement; and
- (d) removing the activated carbon to provide an enzyme solution of enhanced activity.

59. (Cancel)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIFFANY M. GOUGH whose telephone number is (571)272-0697. The examiner can normally be reached on M-F 8-5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weber Jon can be reached on 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ralph Gitomer/
Primary Examiner, Art Unit 1657

/Tiffany M Gough/
Examiner, Art Unit 1657